INSPIRIT AI

INSPIRIT AI in Winnetka!

In-Person Artificial Intelligence intensive for high school students taught by instructors from Stanford and MIT.

Apply at winnetka-24-inspirit.paperform.co | www.inspiritai.com | +1 240 226 1366

Mission

WHY AI SCHOLARS?

We started Inspirit AI to inspire **students of all interests** at an early age to understand and apply Artificial Intelligence to **improve the world**. The potential to use this technology for good is limitless. We hope to bring the most recent developments in AI from courses and labs in Silicon Valley to **empower high school students globally**.

WHAT IS AI SCHOLARS?

What do self-driving cars, Alexa, and iPhone's face recognition technology have in common? They are driven by modern advances in Artificial Intelligence. AI Scholars is a **pre-college enrichment program** that exposes curious high school students globally to AI through in-person or live online intensive classes. The program is developed and taught exclusively by **Stanford, MIT and leading university alumni** and **graduate students** specializing in AI.

Inspirit AI Program Logistics: New Trier High School

Class will meet daily from **Monday June 17 - Friday June 28 (no class on June 19), weekdays only:**

Morning Session: 9:00am-12:30pm

Pricing: $1,600 USD

Prerequisites: Students in grades 9-12. Beginners are welcome, and advanced cohorts are available.

Apply Now:
winnetka-24-inspirit.paperform.co

Contact: Jared Greene, Program Director, jaredgreene@inspiritai.com

New Trier High School
(open to students from all schools)

Why AI Now?

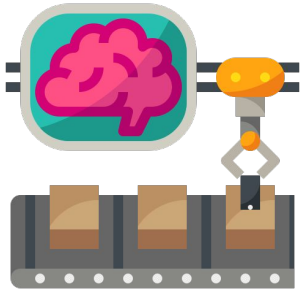
Whether you're interested in *law, healthcare, art,* or *economics*, AI is poised to transform almost every discipline and industry in the future. At the core of Inspirit AI's mission is to equip our students to lead impactful and successful careers. AI is already all around us today, and by the end of the program, students will understand the underlying concepts and motivations behind technology such as:

COMPUTER VISION

Self-Driving Cars
Facial Recognition
Medical Diagnosis

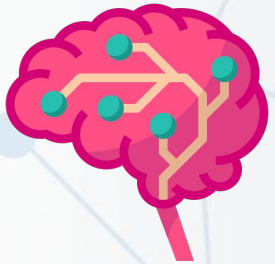
NATURAL LANGUAGE PROCESSING

ChatGPT
Alexa
Siri



RECOMMENDATION ENGINES

Netflix
Spotify
Amazon



DEEP LEARNING

Google Translate
Autocorrect
Chatbots

Our Team

DANIELA GANELIN
Director of Curriculum

Education: *MIT* Master's in Computer Science (AI), *MIT* Bachelor's in Computer Science and Math, *MIT* Teaching License
Research: Studying economic disparities in online education, diagnosing dementia with machine learning, creating AI-generated images, and improving recommendation engines.

ARTEM TROTSYUK
Instructor

Education: *Stanford* PhD candidate in Bioengineering, *Stanford* Master's in Computer Science, *UC Davis* Bachelor's in Biology, Minors in Communication and Writing
Research: Using bioengineering tools coupled with artificial intelligence to improve wound healing outcomes in diabetic patients. Developing AI-powered smart bandages with a closed-loop system for personalized medicine.

ANNA SAPPINGTON
Instructor

Education: *Marshall Scholar* Graduate work in AI/ML, *MIT* Bachelor's in Computer Science and Biology
Research: Anna was part of multiple AI labs at MIT including Aviv Regev's lab and Sangeeta Bhatia' lab. She has applied AI to genomics with the goal of mapping every cell in the human body.

AKSHAY JAGADEESH
Instructor

Education: *Stanford* PhD in Vision Science, *UC Berkeley* Bachelor's in Computer Science and Cognitive Science
Research & Teaching: Analyzing artificial neural networks and understanding what computations the human brain performs to give rise to perception. Helped design and teach several courses at UC Berkeley and Stanford ranging from computer vision to neurobiology to the science of meditation.

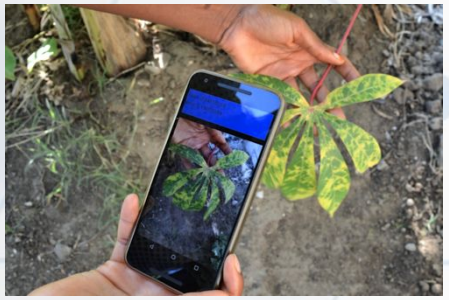
GRETA FARRELL
Curriculum Developer

Education: *MIT* Bachelor's in Economics
Teaching: Has experience student-teaching in a variety of schools: urban, rural, suburban, as well as public, charter, private, and boarding. Before joining Inspirit as a curriculum developer, she taught middle and high school math from pre-algebra to precalculus and developed mastery-based curricula at the Khan Lab School.

CHRIS PIECH
Faculty Advisor

Education: *Stanford* PhD in Artificial Intelligence, *Stanford* Bachelor's in Computer Science
Research & Teaching: Assistant Professor of Computer Science at Stanford, teaching introductory programming, probability, and artificial intelligence courses. Faculty advisor for the Stanford course, "Artificial Intelligence for Social Good."

Our Program



AI FOR SOCIAL GOOD PROJECT

Students develop fundamental AI skills and apply them to a **mentor-led group project** that they later **present** during a **final showcase**. Students gain access to an **online portal** for continuous learning after the program.

AI CAREERS AND VENTURES

Students learn from **industry** and **academic guest speakers** about AI's impact in domains such as healthcare, transportation, and chat applications. Students receive guidance on pursuing various careers that involve AI.

PRE-COLLEGE PREPARATION

Students attend **workshops** aimed to prepare them for leading CS and AI programs internationally. Students gain inspiration from successful Stanford and MIT **admissions essays** and learning how to communicate their project experiences effectively.

Building a Global AI Classroom

We've had the fortune of guiding **students** with interests across healthcare, robotics, art, economics, journalism, and more from **70+ countries** in learning fundamental AI concepts, preparing for college admissions, and applying their passions to achieve social good. **45% of our students come to the program with no previous background in CS.**

A Global Learning Community

70+	400+	75+	150+
Students from 70+ Countries	400+ Instructors from MIT and Stanford	75+ Partner Schools	150+ students accepted to Ivy League schools

Featured Projects

AI can apply to almost **every discipline** from health to art, finance, and more. Our team of graduate students at leading U.S. universities have **diverse experiences** and will **mentor projects** in a variety of domains.

AI + Mental Health:

Digital Phenotyping to Detect Schizophrenia

In this project, students will modules such as **Pandas**, **Matplotlib**, and **Scikit-learn** to examine the distribution of **smartphone sensor** and **survey data**. Students will build models that will predict depression and relapses in the hopes of initiating preemptive treatment. Along the way, students will also discuss the **ethical implications** of data gathering and erroneous predictions.

DEVELOPED BY
Peter Washington
Stanford PhD Student and
Researcher in AI + Accessibility

AI + Astronomy:

Searching for Exoplanets

In this project, students will use data collected from **NASA's Kepler space telescope** to train AI models to **detect** and **characterize exoplanets**. Finding exoplanets could help us discover **alien life**! Students will also gain experience in training models with **imbalanced classes of data**.

DEVELOPED BY
Kaylie Hausknecht
Harvard Astrophysics
Student and NASA Intern

Featured Projects

AI + Healthcare:

DNA Detectives for COVID-19

In this project, students create machine learning models to **trace** the geographic origins of **COVID-19** strains to help understand its spread. Students learn about the biology behind the virus and techniques for working with **genomic data**. Students also apply advanced techniques like **dimensionality reduction** for building more accurate models from complex biological datasets.

DEVELOPED BY

Brianna Chrisman

Stanford PhD in computational genomics

AI + Finance:

Stock Sentiment Analysis

In this project, students use AI to **predict stock market trends** based on financial news and Tweets. Over the course of the project, students will learn about financial analysis and use state-of-the-art **Natural Language Processing models** like LSTMs and Google's new BERT algorithm to make stock market predictions with high accuracy.

DEVELOPED BY

Aansh Shah

Brown University M.S. in Computer Science and Amazon Engineer

Contact Info

Jared Greene, Director of Programs

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